FANTEC SRC-3116X07

3U STORAGE RACKMOUNT CHASSIS
16x 3.5" SATA/SAS BACKPLANE SLOTS

FANTEC SRC-SERIE

STORAGE RACKMOUNT CHASSIS

I. Specification:

Support SAS interface: for 3G backward compatibility.

Support SATA interface: for 3G backward compatibility.

Support hard disk 29pin female SAS and SATA II compatibility.

Support for host card SAS primary port or SATA II input port.

Support miniSAS36 pin host connector for SFF8087 connector

Support 4 port hard disk inrush current control and mosfet IC for Hot-swapping.

Support hard disk DC +12V, +5V and +3.3V.

Support 4 pcs 0603 SMD blue LED light on for hard disk insert.

support 4 pcs 0603 white Led light on for hard disk insert

support 4 pcs 0630 red Led light on for hard disk failure indicator.
(connect to Raid contral unit)

(SATA ready is high active, and SAS ready is low active)

Support 2 pcs power 180 deg big 4-pin D-type connectors.

Support 4 pcs external FAN speed monitoring and FAN failure
buzzer alarm. (Buzzer on board).

Support FAN fail SMD LED active shown and external pin header.

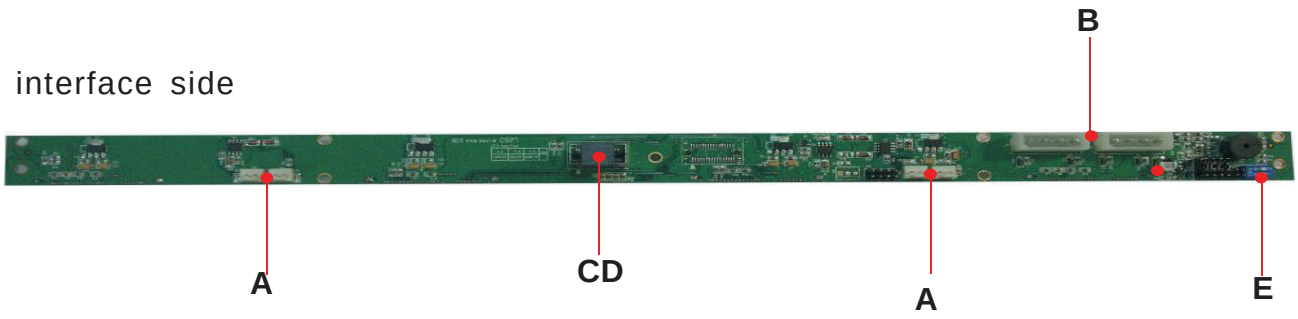
Support FAN fail buzzer alarm external pin header.

Support external 2X2 pin header for FAN fail LED and mute switch.

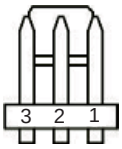
Minimum Fan Speed Detection: The FAN IC fail frequency is below 40 Hz,
which corresponds to a fan speed of approximately 1200 rpm.
The fan remains powered during a locked rotor or an under-speed failure condition.

2. Pin Assignment:

interface side

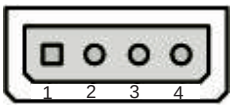


A Fan1, Fan2, Fan3, Fan4 3 pin wafer for FAN monitor pin out



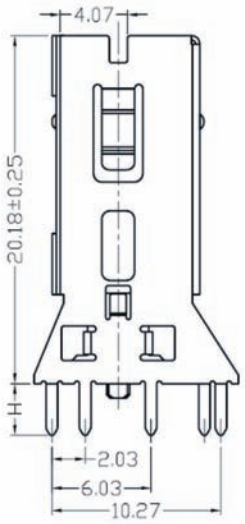
3 : Tech 2 : +12V 1 : GND

B JP1,JP2 big 4P pin out

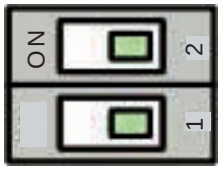


1 VDD +12V 2 GND 3 GND 4 VCC +5V

CD miniSAS 36PIN connector



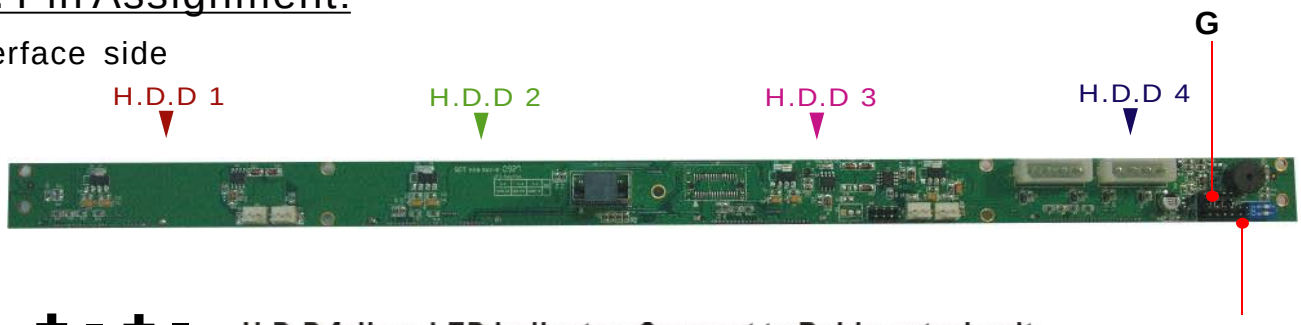
E S1 DIP Switch pin out



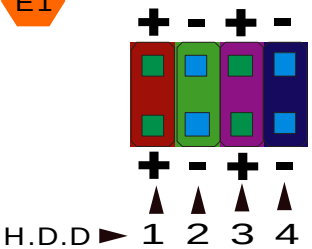
Switch	SW1	Sw2
ON	55 C°	Mute enable
OFF	60 C°	Mute disable

2-1. Pin Assignment:

interface side



E1



H.D.D failure LED indicator, Connect to Raid control unit.

CAUTION:
1. When HDD cannot work, the RAID control unit outpute voltage must be 2V to make the failure LED light properly.
2. When HDD is workable, the RAID control unit output voltage must be under 1.4V, otherwise the fail LED will be on slightly .

F JP4 External 2 X 2 Pin out

3 GND 4 Mout switch+

For fail buzzer alarm mute insert pin 3-4.

1 Fan fail LED- 2 Fan fail LED+

For FAN fail LED insert pin 1-2.

G JP3 4 X 4 pin 2.54mm 180deg header pin out.

13	9	5	1	1
14	10	6	2	2
15	11	7	3	3
16	12	8	4	4
ACCES 4	ACCES 3	ACCES 2	ACCES 1	

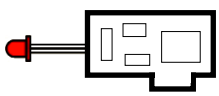
13 Card acces LED4+	9 Card acces LED3+	5 Card acces LED2+	1 Card acces LED1+
14 Card acces LED4-	10 Card acces LED3-	6 Card acces LED2-	2 Card acces LED1-
15 HDD4 p11 pin	11 HDD4 p11 pin	7 HDD4 p11 pin	3 HDD4 p11 pin
16 GND	12 GND	8 GND	4 GND

Default setting is insert short jumper to pin 2-3, 6-7, 10-11, 14-15 for HDD access support.

13	9	5	1
14	10	6	2
15	11	7	3
16	12	8	4

If you need HBA card in put access LED, please remove short jumper, insert pin 1-2, 5-6, 9-10,13-14.

13	9	5	1
14	10	6	2
15	11	7	3
16	12	8	4

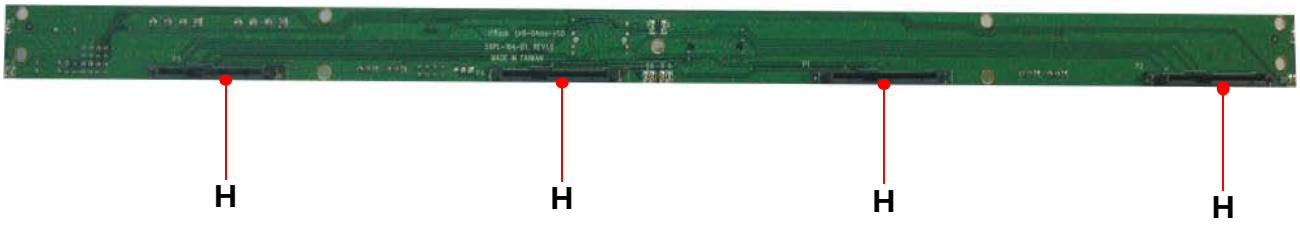


If you need HDD motor spin function, please insert short jumper to pin 3-4, 7-8, 11-12, 15-16

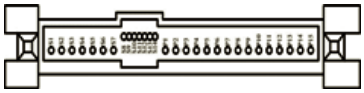
13	9	5	1
14	10	6	2
15	11	7	3
16	12	8	4

2-2. Pin Assignment:

H.D.D side



H J1, J2, J3, J4 2 29pin female SAS and SATA II connector pin out



S1	GND	**S2**	RP+	**S3**	RP-	**S4**	GND	**S5**	TP-	**S6**	TP+	**S7**	GND
S8	GND	**S9**	RS+	**S10**	RS-	**S11**	GND	**S12**	TS-	**S13**	TS+	**S14**	GND
P1	V33	**P2**	V33	**P3**	V3C	**P4**	GND	**P5**	GND	**P6**	GND	**P7**	V5C
P8	V5	**P9**	V5	**P10**	GND	**P11**	LED	**P12**	V-gate	**P13**	V12C	**P14**	V12
P15	V12												

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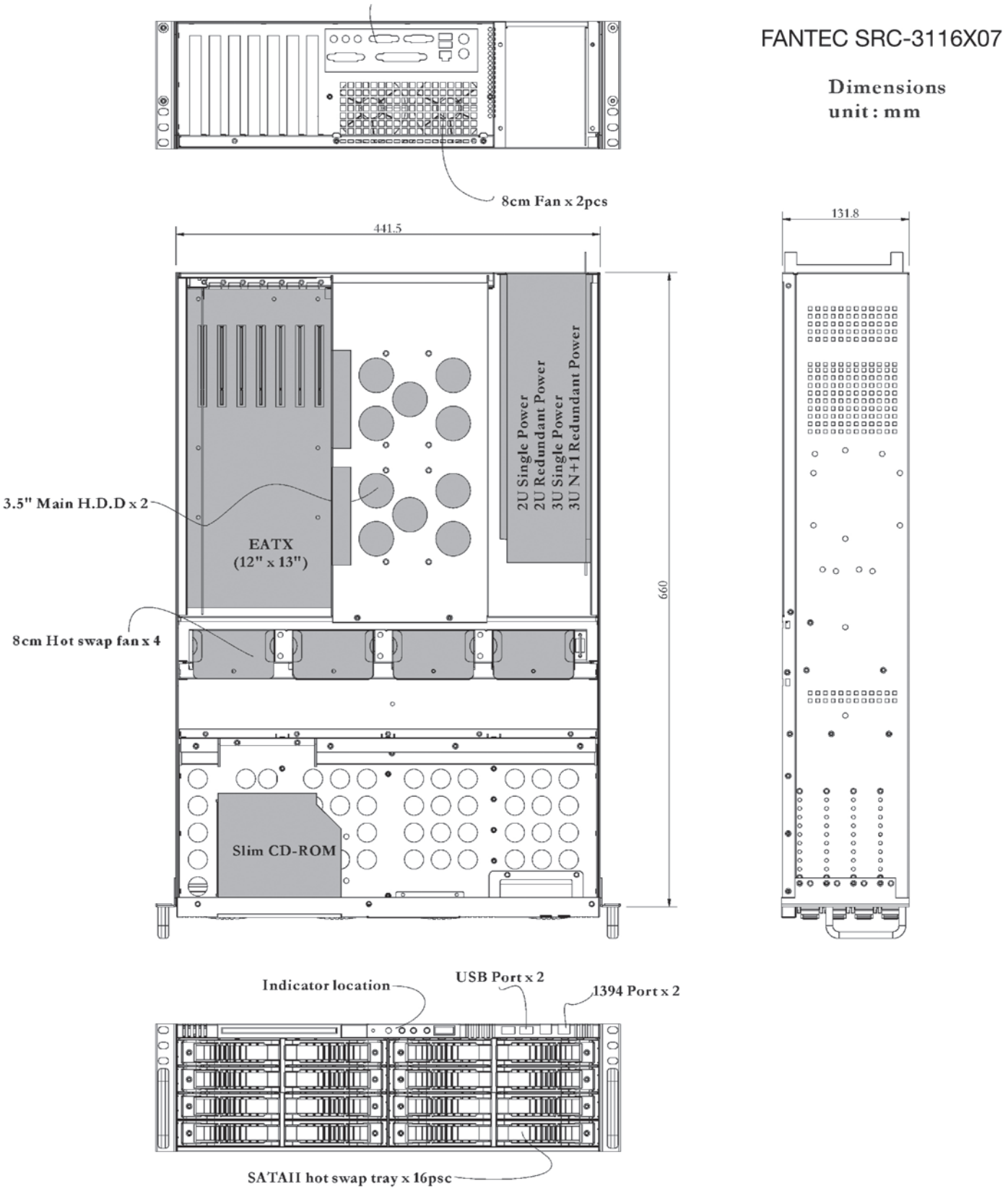
Dimensions
unit : mm



Product details

Model no.:	SRC-3116X 3U 16xSAS&SATA Backplane
Specification:	3U IPC 660mm black aluminium
Drive bays:	open: 16x3,5" SATA/SAS hot swap, 1x5,25" Slim internal: 2x 3,5"
Mainboard type:	E-ATX / ATX / M-ATX (12" x 13")
Cooling:	4x 80mm hot-swap fans 2x 80mm ball bearing fan at rear
Switch:	ON/OFF switch, system & alarm reset
Controls:	LED's for ON/OFF switch and HDD-access
Slot opening:	7 open slots at rear panel
Backplane:	16x SATA 3Gbit / SAS / SATA, 4x internal miniSAS 36 pin cnnector
Speaker:	0,4W built in
Material/ color of chassis:	1,2mm SGCC zinc-coated steel black
Material/ color of front bezel:	anodized aluminium black / blue
Material/ color of handle:	steel / silver
Front connectors:	2x USB connectors 2x Firewire connectors
Accessories including:	USB connector cable with circuit diagram screws
Power supply:	without power supply (optional)
Optional accessories:	sliding rails package: SRC-SR26" Consists of 2x 26" mounting rails
Dimensions (w x d x h):	481 x 660 x 133 mm
Certifications:	FCC, CE, RoHS
Weight / piece (kg):	15
Package (piece / carton):	1
Description:	19" industrial PC chassis for installation in 19" rackmount cabinet. Rugged construction and high-grade processing.

Technical details are subject to changes.